



# M3B / M3W

## EN-Series (meet EU standards)

- Residential areas like apartment and dwellings
- Parking garage of office building, hospital, supermarket, motel etc. for commercial EV charging
- EV infrastructure operators and service providers
- M3W is a Case C Wallbox (with charging cable)
- M3B is a Case B Wallbox (with charging socket)



\* CE NB No. 0370-RED-4388



IEC 62196-2 (Type 2)

### Features

- Applicable to IEC Type 2 charging, and the maximum charging power up to 22kW.
- With CE certification-LVD, RED, RoHS, and passed REACH test, applicable to the European.
- Safe and reliable, with multiple fault protection, suitable for household and commercial AC EV charging.
- Easy installation, wall mounted or pole mounted for optional.
- IP54 & IK08 rated for indoor or outdoor applications.
- Connect the Server via Wi-Fi or RJ-45 interface, control charging by APP (Android & iOS).
- Load balance via PLC, do not need special communication cable.
- LOGO, color, function etc. are customizable.
- OEM/ODM including size, shape etc. are available.



Pole-mounted Charging Station

## Specification of M3B / M3W EN-Series

Power Specification				
Phase number	1-phase		3-phase	
Model	M3W116EN/ M3B116EN	M3W132EN/ M3B132EN	M3W316EN/ M3B316EN	M3W332EN/ M3B332EN
AC Power Input Rating	230VAC, 50/60Hz		400VAC, 50/60Hz	
Power Wiring	3 Wire - L1, N plus PE		5 Wire - L1, L2, L3, N plus PE	
AC Output Rating Power	3.5kW	7kW	11kW	22kW
AC Output Rating Current	16A	32A	16A	32A
Connector Type	IEC 62196-2, Type 2 plug + 5m charging cable			
Connector Mechanical Operating Life	≥10000 times (Plug in & pull out with no load)			
User Interface & Control				
Charging Control	Plug and Play, RFID Card or APP			
Display screen	4.3-inch LCD screen			
Indicators	4 LED Indicators-Power/ Connect/ Charging/ Fault			
Communication interface	Ethernet (RJ-45), Wifi (2.4GHz)			
Communication interface (Optional)	4G-LTE, RS-485			
OCPP Protocol (Optional)	OCPP 1.6J(via Ethernet, Wifi or 4G-LTE)			
Communication protocol (Optional)	Modbus TCP (via Ethernet)			
Communication protocol (Optional)	Dedicated communication protocol (via RS-485)			
Environmental				
Storage Temperature	-40 to 75°C ambient			
Operating Temperature	-30 to 55°C ambient			
Operating Humidity	Up to 95% non-condensing			
Altitude	≤ 2000m			
Protection				
IP Code	IP54	Over Voltage Protection	Yes	
Short Circuit Protection	Yes	Under Voltage Protection	Yes	
Over Load Protection	Yes	Over-temp Protection	Yes	
Power line protection	Yes, report the fault of exchange connection of Live wire & Neutral wire			
Leakage Protection	Yes, Type B Residual Current Monitoring Unit built-in.			
Ground Protection	Yes, designed for TN-C-S power supply system			
Optional Function				
Load balance via PLC	Work with PLC version M3 Charge-Mate (required additional purchase)			
Wallbox Mechanical				
Dimension (H×W×D, mm)	410×260×140			
Weight	1-Phase: ≤ 9kg; 3-Phase: ≤ 11kg			
Charging Cable Length ( total)	5m or customize length (≤7.5m)			
Enclosure Material	Front panel: Black, Tempered Glass; Back cover: Gray, Metal Plate			
Mounting Pole Mechanical (Optional)				
Dimension (H×W×D, mm)	1117×240×112			
Weight	<5kg			
Enclosure Material	Stainless steel			
OEM Customize Options				
Logo on Front panel	Yes	Nameplate	Yes	
User manual	Yes	Length of charging cable	Yes	